



**Network
Control
Center**

**STDN DAILY REPORT
FOR GMT DAYS
15, 16, 17 AND 18 FEBRUARY 2001**

Part I. Operations

15 FEBRUARY

A. SN Anomalies - None.

1. XTE Supports

15/1444-171932Z

Negative acquisition on both events with no RF present, reason unknown. Several Forward REAQC's were sent with no avail.
TTR # 23611

ANOMALY UNKNOWN

TDW SSA1R 1444-1509Z 25 Mins. Service/Data Loss
Recoverable

TDS SSA2R 1634-1728Z 45 Mins. 02 Secs Service/Data Loss
Recoverable

B. ISS/ECOMM Anomalies - None.

C. GN ANOMALIES:

1. SKS/QST Support

14/1812-1819Z

4 KB real-time telemetry was loss due to a loose cable on the Front End Processor. The problem was corrected post-pass and verified as operational on a subsequent pass. TTR # 23612
CDS ID # 18115

STATION EQUIPMENT

STPS 1812-1827Z 7 Mins Service/Data Loss Recoverable
(Unknown)

2. AGS/EO-1 Support

15/2109-2123Z

EO-1 orbit. 1254, During the recovery process from a digital switch red box that occurred during a prior TERRA support the master computer blue screened. This resulted in a loss of automated operations for this activity. Post pass the station discovered that recorder #3 was in parallel mode which meant that there was no way to recover the x-band data. TTR # 23613 CDS ID # 18117

STATION EQUIPMENT

11 Meter 13 Mins. 24 Secs. Service/Data Loss Non-Recoverable

D. TDRS-5 East maneuver was nominal.

16 FEBRUARY

A. SN Anomalies - None.

1. TERRA Support

16/034023-034453Z

Late acquisition caused by both SSA1 IR in a CPU halt condition. Hardware reset cleared the anomaly. The anomaly is attributed to an operator error for failure to implement WSC alert notice 00141 after a failed RZS. TTR # 23614 DR # 42027

OPERATOR ERROR

TDRS-6 SSA1R 0340-0404Z 4 Mins. 30 Secs Service/Data Loss Recoverable

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies:

1. WGS/EO-1 Support

16/0147-0158Z

Ampex Recorder was not operational during the support. Recorder would not communicate with the Laptop.

TTR # 23615 CDS ID # 18121

STATION EQUIPMENT

11 Meter 11 Mins. Service/Data Loss Recoverable (Unknown)

2. AGS/EO-1 Support

16/0337-0347Z

AGS operator reported to EO1 MOC AOS of 2M data. After about 20 seconds, the 2M downlink was gone; this was reported to EO1 MOC. EO1 MOC then requested another resweep of the uplink to try and capture the spacecraft, with no success. AGS operator then started to enter a 0 to +30 and 0 to -30 time bias to try and locate the spacecraft. This was performed until the scheduled LOS of the event. All configurations were checked prior to and after the event with no problems found with the equipment.

TTR # 23616 CDS ID# 18122

ANOMALY UNKNOWN

11Meter 10 Mins. Service/Data Loss Non-Recoverable

3. AGS/QST Support

16/135115-140321Z

Azimuth failed to follow the S/C in autotrack or program mode. The AZ Delta was over 8 degrees in Autotrack and in the Program mode it still indicated almost the same delta. Manually moved AZ & EL, antenna showed good response from the SCC (AZ delta cleared). The operator then let the program resume, acquired the S/C and still had a large offset in AZ & some in EL. Added a – 8.80 sec. time bias, obtained solid lock (AZ delta 0, EL delta at 8 deg) and completed the pass with no further tracking problems. The operator powered down the ACU (SA 3860), SCC (HP Computer) and the Master Computer Post Pass, resetting the system. The ephemeris was the same as was used on the last support. A new schedule was sent from WPS.

TTR # 23617 CDS ID# 18124

ANOMALY UNKNOWN

11 Meter 12 Mins. 06 Secs. Service/Data Loss Non-Recoverable

4. PF-1/QUIKSCAT Support

16/153810-153940Z

Approximately 8 minutes after AOS there was a data drop on the 4K telemetry data. The Downlink Combiner had a false lock status of -3.7 (VDC) for the Center Frequency Monitor and the Lock indicator indicated LOCK.

ANOMALY UNKNOWN

11 M 1530-1545Z 1 Min. 30 Secs. Svc/Data Loss (Recov)

17 FEBRUARY

A. SN Anomalies - None.

1. UARS Support

17/093730-094127Z

The POCC experienced a late acquisition reason unknown. However the project did not respond in a timely manner to STGT attempts to notify them. Therefore an extended loss was experienced. TTR # 23619

LATE ACQUISITION/OPERATOR ERROR

TDW MAR3 0937-1009Z 3 Mins. 57 Secs. Service/Data Loss
Non-Recoverable

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies

1. AGS/EO-1 Support

17/191949-193150Z

At 048/17:45:00 after rebooting the Master, nodes 1,2, and 3 the problem increased to the point where the SCC had no control over the Ampex recorders. The SCC would also lose communications with the Master as well as losing ephemeris data several times prior to the EO1 event. All data was down loaded in both S and X band with I and Q channels working properly. The only loss was no ability to uplink to the spacecraft. After several

reboots the same error and comm problems occurred after each reboot. The operator powered down the entire station. (Master, SCC,all Nodes,ACU,TDF,782,digital and analog switches and PTP). After bringing the system back up, the errors were gone. TTR # 23620 CDS ID# 18134

STATION EQUIPMENT

11 Meter 12 Mins. 01 Sec. Service Loss

2. SGS/QST Support

17/1334-1346Z

QST reported a data loss reason unknown. SGS looked into there Tracking /pass logs, but nothing indicated any data loss. There were no T1 line problems during this support?

TTR # 23621 CDS ID # 18135

ANOMALY UNKNOWN

11 Meter 1334-1346Z 7 Mins Data Loss Recoverable-Unknown

3. SGS/EO1 Support

17/1230-1237Z

The SCC system hung during this event reason unknown. This problem occurred prior to AOS and also, while the event was in progress. No data loss declared by project. TTR # 23622

CDS ID # 18136

STATION EQUIPMENT

11 Meter 1238-1552Z

4. SGS/QST Support

17/1841-1842Z

The Microdyne Tracking Combiner lost lock. Resweeping the combiner reacquired lock on the signal. TTR # 23623

CDS ID # 18137

STATION EQUIPMENT

11 Meter 1836-1851Z 20 Sec Svc/Data Loss Recov

18 FEBRUARY

A. SN Anomalies - None.

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies

1. WGS/SNOE Support

18/1518-1527Z

THE LEO-T viewer screen did not appear to be functioning reason unknown. Following the support the LEO-T system was rebooted to clear the anomaly. TTR # 23624 CDS ID # 18138.

STATION EQUIPMENT

LEO-T 1517-1528Z 9 Min 17 Sec Svc/Data Loss Recov
Unknown

D. STS-98 Landing scrubbed due to crosswinds. Landing rescheduled for 050/1828Z.

Part II . Testing Anomalies

A. SN Test - None.

B. GN Test - None.

Part III. Equipment Status Changes - None.

\$ = Changed ETRO

** = New Items

Part IV. Scheduled Activities - None.

Part V. Launch Forecast Changes - None.

